

SSI

STAMFORD SCIENTIFIC INTERNATIONAL INC



WATER TREATMENT PLANT

**CUSTOMISED TANKS**

CLEARLY WATER

FRONT END : VB 6.0

BACK END : ORACLE/MS ACCESS

INTERFACE : AUTO CAD

FIG. 1

SSI

ROUND TANK WITH FULL DIFFUSERS FORM

ROUND TANK WITH FULL DIFFUSERS

NO : 12345

SEARCH

DATE : 9/13/2004 4:19:46 PM

- DIFFUSER TYPES
- ☒ 9" DISC
   
☐ 12" DISC
   
☐ 91 X 1000 TUBE <--10
   
☐ 62 X 1000 TUBE
   
☐ 62 X 610 TUBE

1 --> DIAMETER OF THE TANK : 10 mt

2 --> DEPTH OF THE TANK : 6 mt

3 --> FREE BOARD : 0.5 mt

4 --> DIFFUSER ELEVATION FROM FLOOR : 0.2 mt

DIFFUSER DENSITY : 12 % <--5

DROP PIPE DIAMETER : 114 <--6

HEADER DIAMETER : 114 <--7

MANIFOLD DIAMETER : 114 <--8

NO OF HEADER ROWS(GIVE 2 TO 50) : 8 <--9

SAVE

DRAW

CLOSE

FIG. 2a

SSI

## RECTANGULAR TANK WITH FULL DIFFUSERS

## RECTANGULAR TANK WITH FULL DIFFUSERS

WORK ORDER NO : | | SEARCH DATE : | 9/13/2004 4:37:20 PM

## DIFFUSER TYPES

- ☒ 9" DISC  
☐ 12" DISC <--10  
☐ 91 X 1000 TUBE  
☐ 62 X 1000 TUBE  
☐ 62 X 610 TUBE

19--> LENGTH OF THE TANK	:	mt	DIFFUSER DENSITY	:	% <--5
20--> WIDTH OF THE TANK	:	mt	DROP PIPE DIAMETER	:	114   <--6
2--> DEPTH OF THE TANK	:	mt	HEADER DIAMETER	:	114   <--7
3--> FREE BOARD	:	mt	MANIFOLD DIAMETER	:	114   <--8
4--> DIFFUSER ELEVATION FROM FLOOR	:	mt	NO OF HEADER ROWS	:	6   <--9

SAVE

DRAW

CLOSE

FIG. 2b

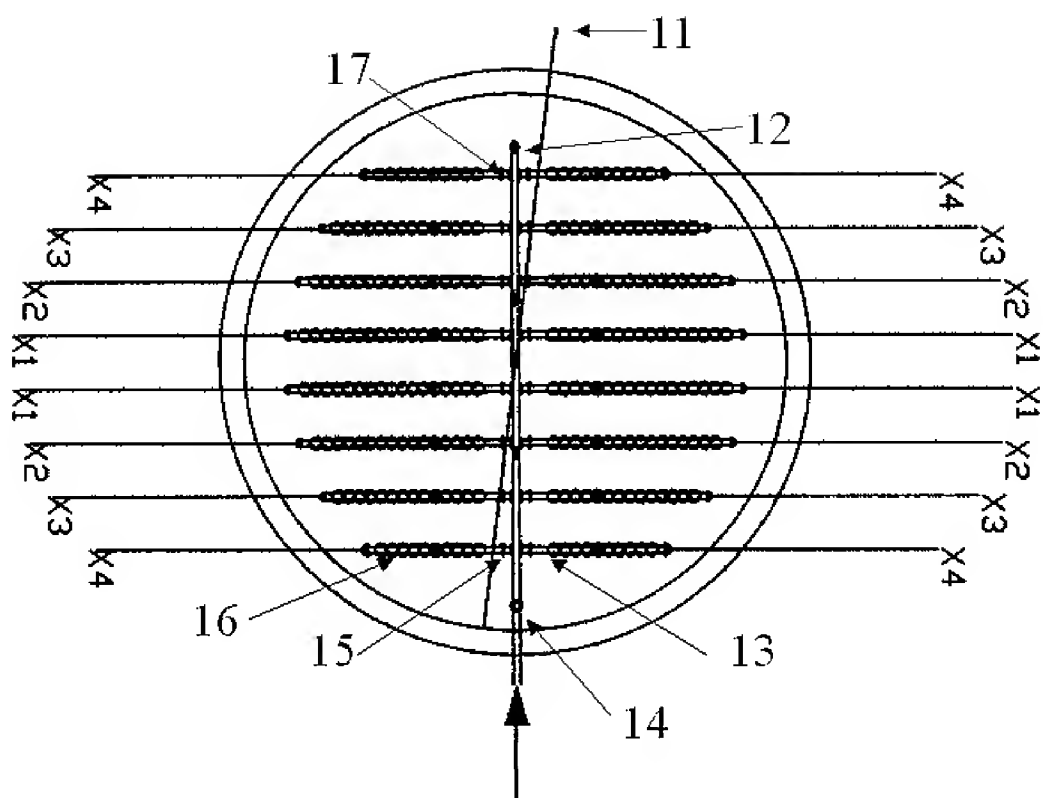


FIG. 3

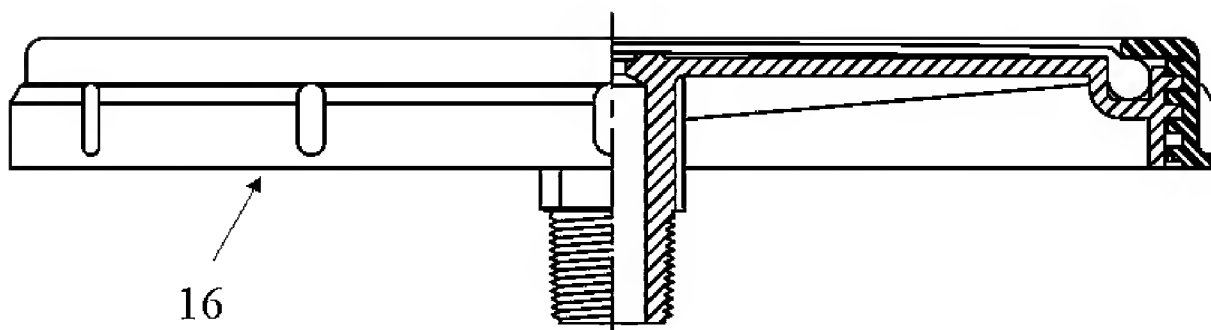


FIG. 4

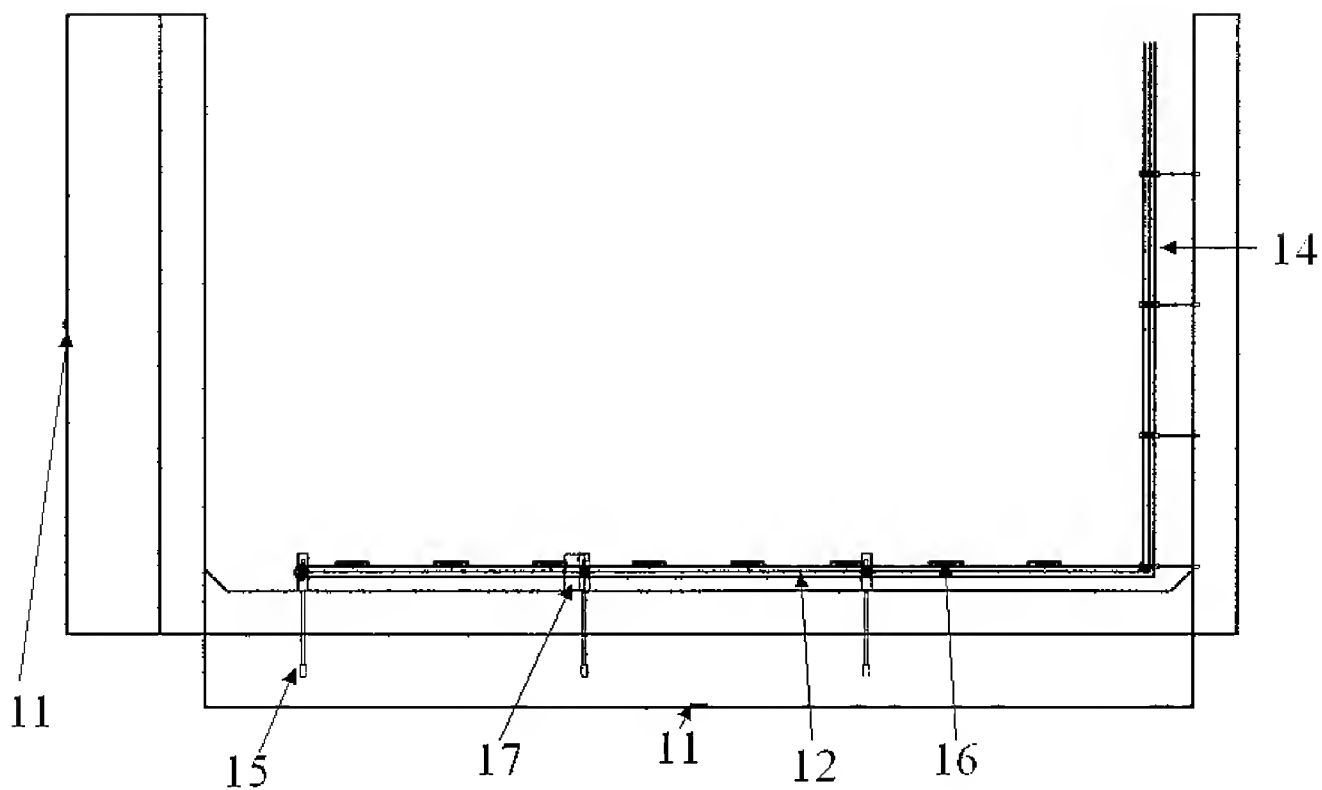


FIG. 5

INPUT DETAILS		
WONO : 12345		DATE : 8/27/2004 4:00:14 PM
1	SIZE OF TANK	10000MM2
2	DIFFUSER TYPE	AFD270-9INCH
3	DEPTH OF TANK	6000MM
4	FREE BOARD	500MM
5	DIFFUSER ELEVATION	200MM
6	DIFFUSER DENSITY	12%
7	HEADER PIPE DIA	114MM
8	MANIFOLD DIA	114MM
9	DROP PIPE DIA	114MM
10	NO OF HEADER ROWS	8

FIG. 6

OUTPUT DETAILS						TOTAL NO OF DIFFUSERS :	228
WONO : 12345		DATE : 8/27/2004 4:00:14 PM					
PIPE	LENGTH (MM)	NO'S	NO OF DIFF'S	NO OF SUPPORTS	NO OF EJ'S	DIFFUSER SPACING	199MM
MANIFOLD PIPE	10000MM	1	---	3	1	NO OF SUPPORTS IN HEADER PIPE :	148
DROP PIPE	5443MM	1	-----	4	-----	NO OF SUPPORTS IN MANIFOLD PIPE :	3
HEADER PIPES						NO OF SUPPORTS IN DROP PIPE :	4
X1	3675MM	4	72	12	0	NO OF EJ'S IN HEADER PIPE :	0
X2	3470MM	4	68	12	0	NO OF EJ'S IN MANIFOLD PIPE :	1
X3	3030MM	4	60	12	0		
X4	2271MM	4	44	12	0		

FIG. 7



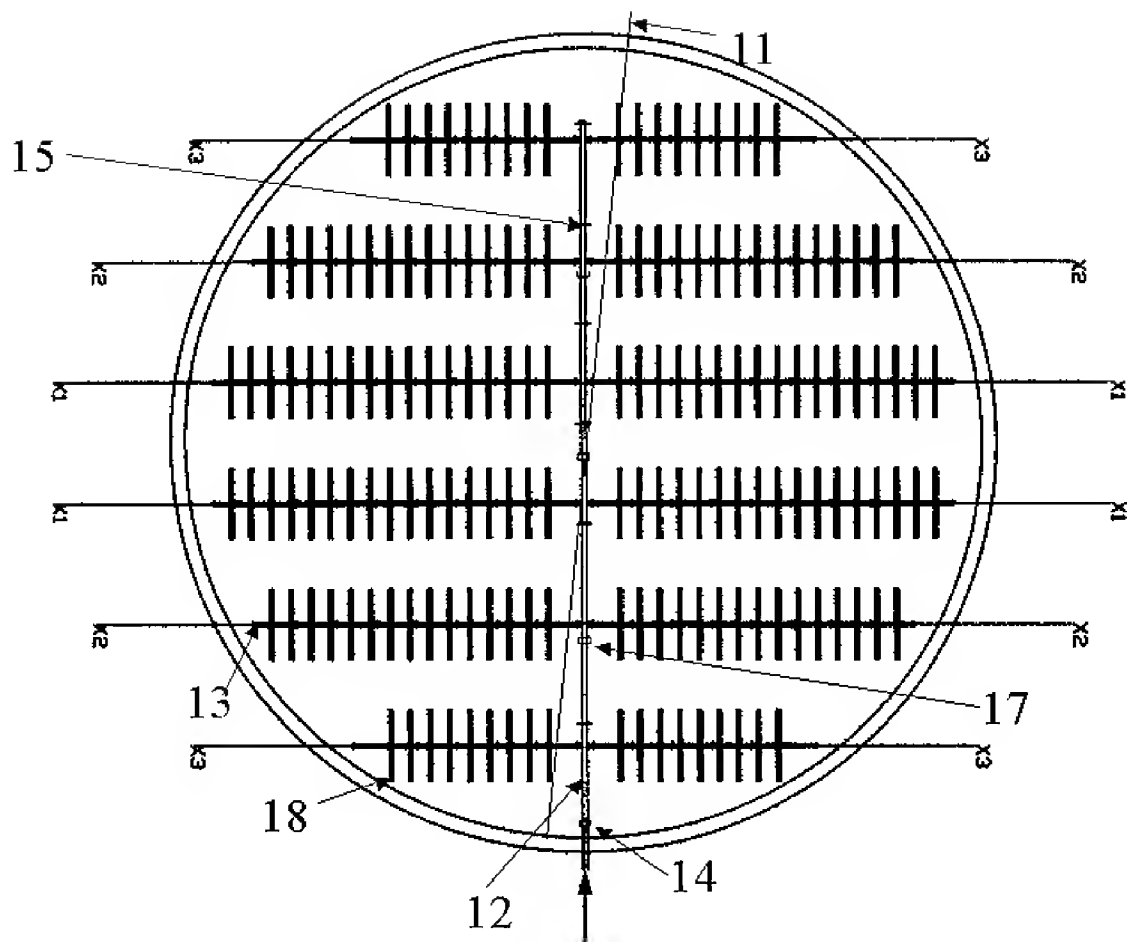


FIG. 8

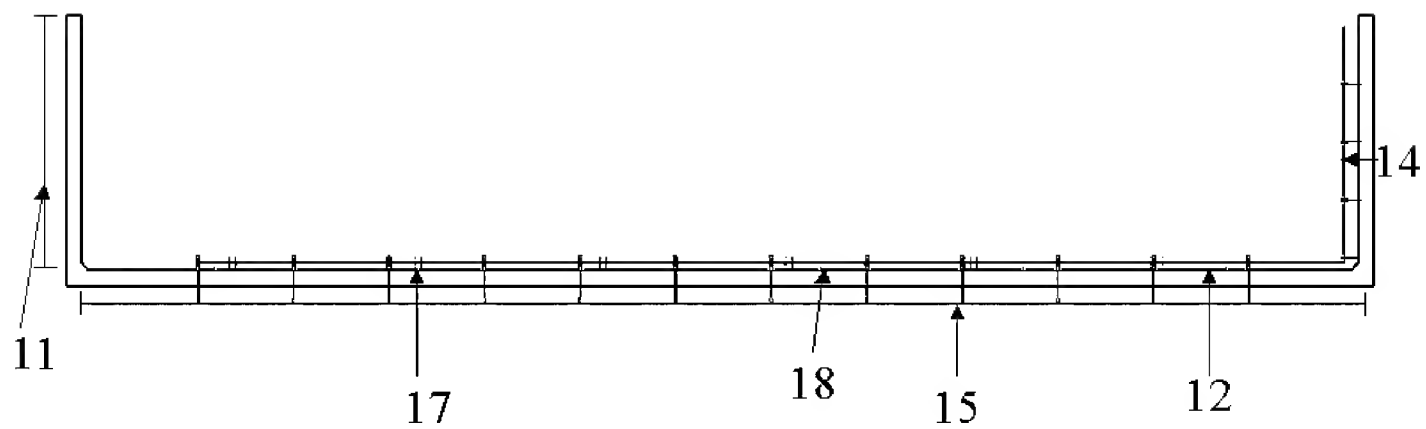
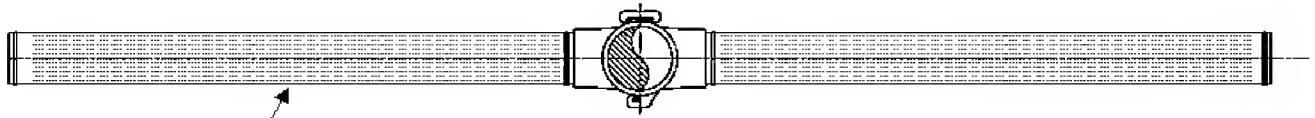


FIG. 9



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FIG. 10

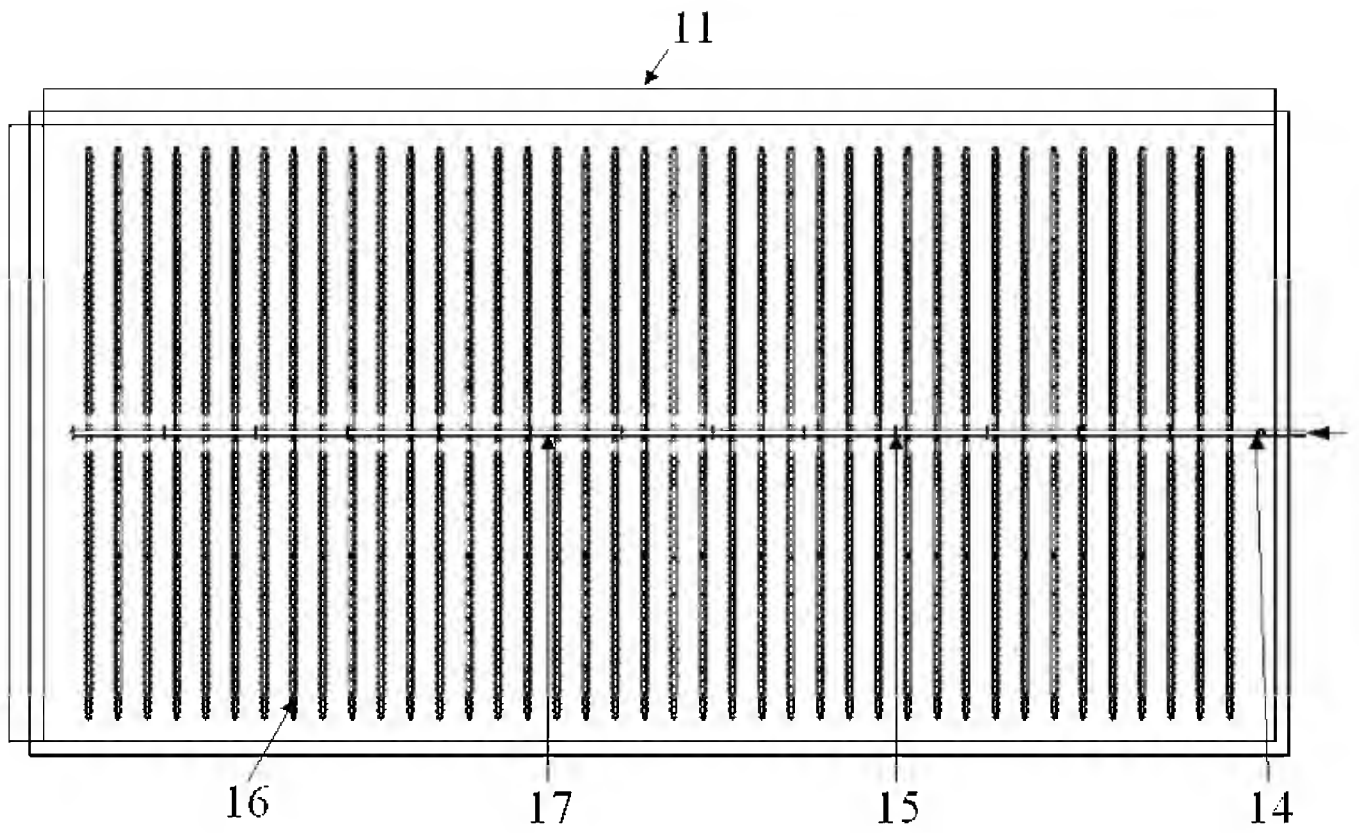


FIG. 11

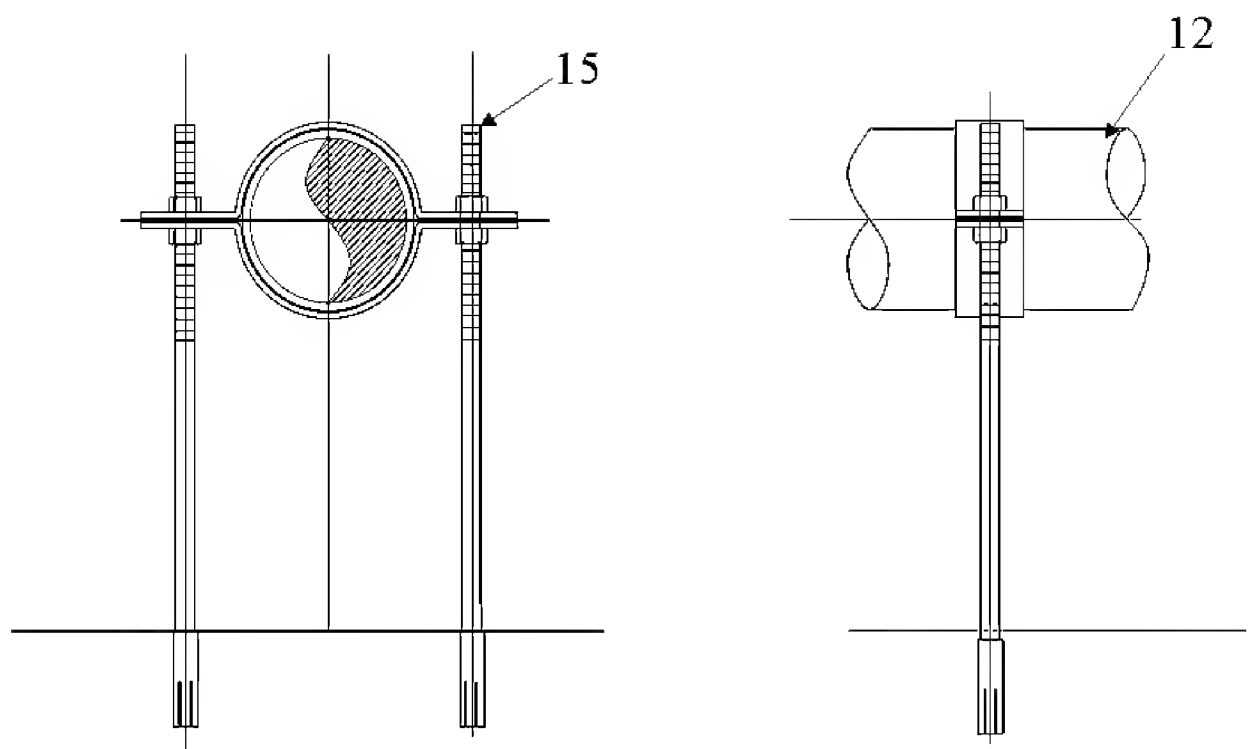


FIG. 12

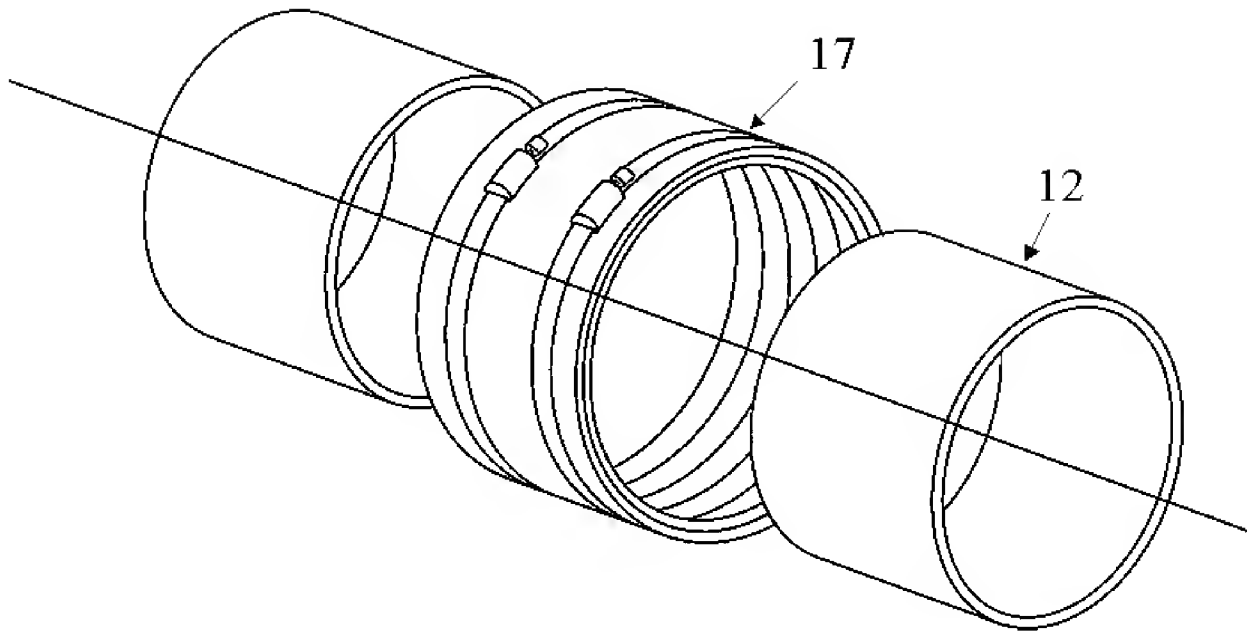


FIG. 13

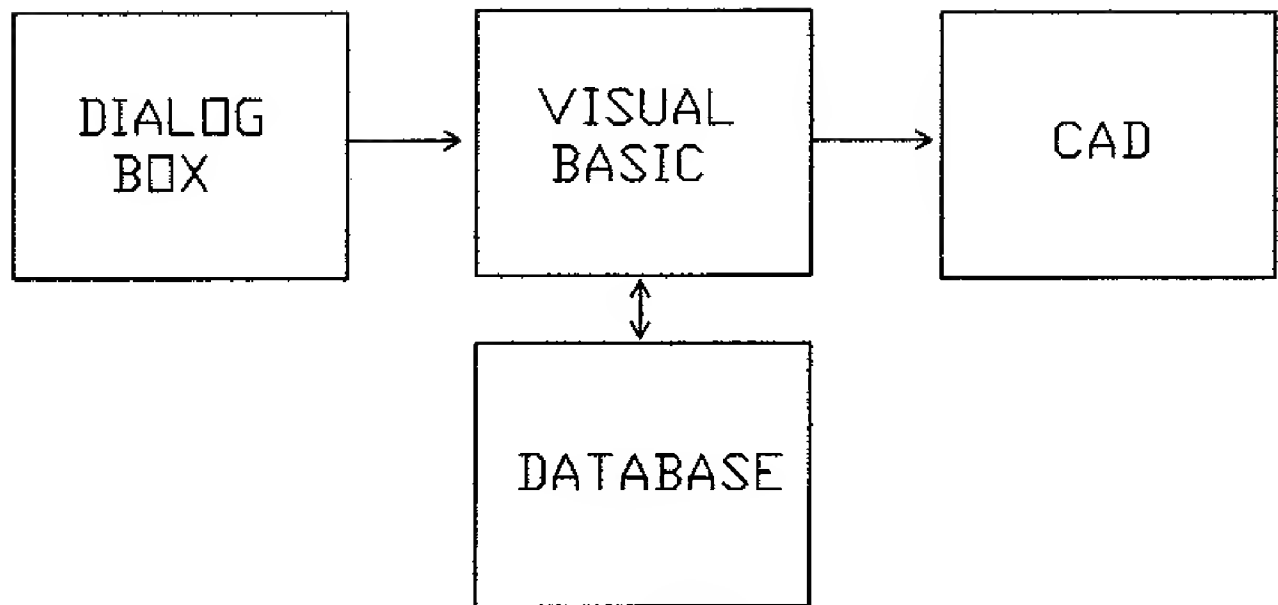


FIG. 14

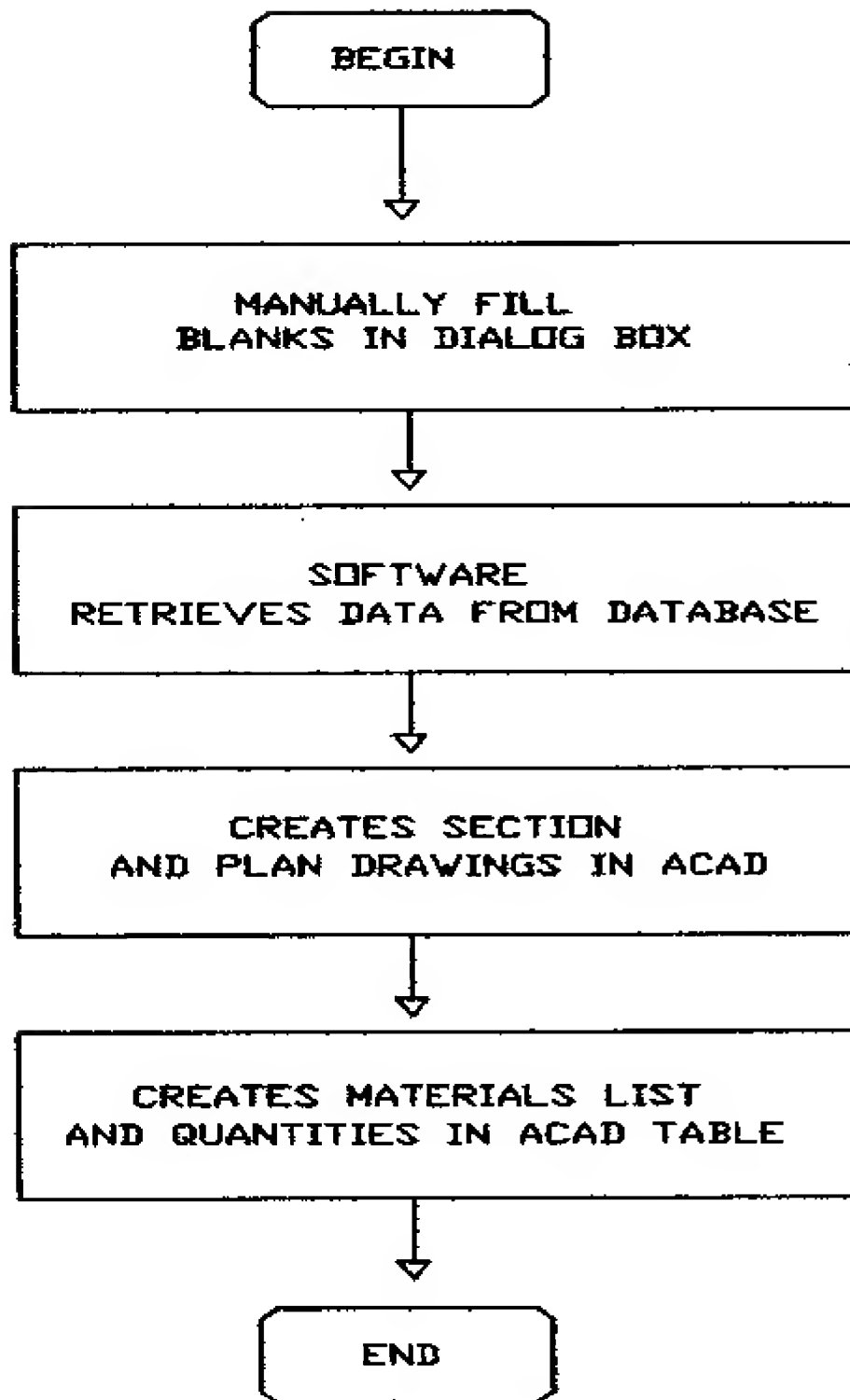


FIG. 15



